

AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Currently Amended) ~~A low force release mechanism comprising: a main structure; a trap; a moveable internal spring pin with an internal spring to eliminate ordinal locking of the trap; a release pin; at least one trigger; and attachments by which a container is attached to said main structure and said trap, wherein the release pin is configured to be moveable to effect the position of one or more ball bearings or slugs in an internal geometry of the trap, such that the position of said trap is locked and held; a load force is distributed away from the release pin; the trigger being adapted to permit application of a low force to move the release pin; a lift spring that can move the internal spring pin; and the one or more ball bearings or slugs interact with the internal geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that application of a low force on the trigger causes the internal spring pin and the release pin to move a position of the container.~~

A low-force release mechanism comprising:

a main structure including a cavity and a shaft;

a trap having a hollowed portion and being received by the main structure, the hollowed portion surrounding the shaft;

a moveable internal spring pin having an opened cavity and a retaining portion, the internal spring pin being located within the cavity of the main structure; the cavity of the spring pin having an internal spring to facilitate locking of the trap and the internal spring pin in any order;

a release pin located within the internal spring pin and extending into the shaft;

a lift spring interposed between the release pin and the main structure enabling the release pin to be biased;

at least one trigger being positioned in a hole of the main structure and engaging the retaining portion of the internal spring pin to retain the internal spring pin in a locked position;

attachments by which a container is attached to the main structure and the trap;

and

at least one ball bearing or slug located in the hollowed portion of the trap and the shaft,

and interacting with the hollowed portion of the trap and the release pin;

the release pin being moveable to effect a locked position of the ball bearing or the slug against the trap;

whereby removing the trigger from the hole of the main structure unlocks the internal spring pin and the release pin to allow the ball bearing or the slug to retract thus releasing the trap which allows the attachments to be released.

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. **(Previously Presented)** The low-force release mechanism of claim 7, further comprising a hanger.

14. **(Previously Presented)** The low-force release mechanism of claim 7, further comprising a movable hanger through which force can be applied to move the position of the internal spring pin or receive force applied by the main structure as a point of external attachment.

15. **(Previously Presented)** The low-force release mechanism of claim 7, wherein the container is selected from the group consisting of: a bag, a box, a collapsible box, and a net.

16. **(Currently Amended)** ~~A low force release mechanism of claim 7, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that a user pulling on a string attached to the trigger causes the internal spring pin and the release pin to move a position of the container, such that the container collapses releasing its contents.~~

The low-force release mechanism of claim 7, further comprising a string attached to the trigger.

17. **(Currently Amended)** ~~A low force release mechanism of claim 7, such that a trap spring and the one or more ball bearings or slugs interact with the geometry of the trap, wherein the one or more ball bearings or slugs retract upon removal of the release pin such that application of a low force on the trigger causes the internal spring pin and the release pin to move a position of the container.~~

The low-force release mechanism of claim 7, further comprising a trap spring interposed between the trap and the main structure.